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| U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449 modified) | | Docket No. APPM/6877/CMP/ CMP/RKK | Serial No. 10/611,805 |
| LISTS OF PATENTS AND PUBLICATIONS CITED BY APPLICANT (Use several sheets if necessary) | | Applicant Sun, et al. | Confirmation No. UNKNOWN |
| Examiner UNKNOWN | | Filing Date June 30, 2003 | Group 1742 UNKNOWN |

U.S. Patent Documents

| *Examiner Initial | | Document Number | Issue Date | Applicant(s) Name | Class | Subclass | Filing Date If Appropriate |
|-------------------|-----|-----------------|------------|-------------------|-------|----------|----------------------------|
| NSB | A1 | 2002/0077037 | 06/20/2002 | Tietz | 451 | 41 | 07/20/2001 |
| | A2 | 2002/0070126 | 06/13/2002 | Sato | 205 | 640 | 09/19/2001 |
| | A3 | 2002/0008036 | 01/24/2002 | Wang | 205 | 118 | 04/18/2001 |
| | A4 | 2001/0042690 | 11/22/2001 | Talieh | 205 | 118 | 12/14/2000 |
| | A5 | 2001/0040100 | 11/15/2001 | Wang | 205 | 220 | 04/16/2001 |
| | A6 | 2001/0036746 | 11/01/2001 | Sato et al. | 438 | 745 | 03/08/2001 |
| | A7 | 2001/0024878 | 09/27/2001 | Nakamura | 438 | 691 | 03/26/2001 |
| | A8 | 6,440,295 | 08/27/2002 | Wang | 205 | 640 | 02/04/2000 |
| | A9 | 6,395,152 | 05/28/2002 | Wang | 204 | 224 M | 07/02/1999 |
| | A10 | 6,391,166 | 05/21/2002 | Wang | 204 | 224 R | 01/15/1999 |
| | A11 | 6,386,956 | 05/14/2002 | Sato, et al. | 451 | 57 | 11/01/1999 |
| NSB | A12 | 6,381,169 | 04/30/2002 | Bocian, et al. | 365 | 151 | 07/01/1999 |

Foreign Patent Documents

| *Examiner Initial | | Document Number | Date | Country | Class | Subclass | Translation | |
|-------------------|----|-----------------|------------|---------|--------|----------|-------------|----|
| | | | | | | | YES | NO |
| | B1 | EP 0 325 753 | 08-02-1989 | EP | H01L | 21/00 | | X |
| | B2 | 2001-77117 | 03-23-2001 | JAPAN | H 01 L | 21/3205 | | X |
| | B3 | JP 11042554 | 02-16-1999 | JAPAN | B24B | 37/04 | | X |
| | B4 | WO 02/23616 | 03-21-2002 | WIPO | H01L | 21/44 | | X |
| | B5 | WO 02/064314 | 08-22-2002 | WIPO | B24B | 37/04 | | X |
| | B6 | WO 01/88229 | 11-22-2001 | WIPO | G25F | 3/30 | | X |

OTHER ART

| *Examiner Initial | | Including Author, Title, Date, Pertinent Pages, Etc. |
|-------------------|----|--|
| | C1 | Nogami, "An Innovation in Integrate Porous Low-K Materials and Copper." InterConnect Japan 2001; Honeywell Seminar December 6, 2001, p 1-12. |

Examiner *W. Butler* Date Considered *8-7-5-05*

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

| | | | |
|---|--|---|------------------------------|
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U.S. Patent Documents

| *Examiner Initial | | Document Number | Issue Date | Applicant(s) Name | Class | Subclass | Filing Date If Appropriate |
|-------------------|-----|-----------------|------------|-------------------|-------|----------|----------------------------|
| NSB | A13 | 6,297,159 | 10/02/2001 | Paton | 438 | 693 | 07/07/1999 |
| | A14 | 6,273,798 | 08/14/2001 | Berman | 451 | 72 | 07/27/1999 |
| | A15 | 6,248,222 | 06/19/2001 | Wang | 204 | 297.09 | 09/07/1999 |
| | A16 | 6,244,935 | 06/12/2001 | Birang, et al. | 451 | 41 | 02/04/1999 |
| | A17 | 6,238,271 | 05/29/2001 | Cesna | 451 | 41 | 04/30/1999 |
| | A18 | 6,234,870 | 05/22/2001 | Uzoh, et al | 451 | 8 | 08/24/1999 |
| | A19 | 6,210,257 | 04/03/2001 | Carlson | 451 | 56 | 05/29/1998 |
| | A20 | 6,176,992 | 01/23/2001 | Talieh | 205 | 87 | 12/01/1998 |
| | A21 | 6,171,467 | 01/09/2001 | Weihs et al. | 205 | 93 | 11/24/1998 |
| | A22 | 6,159,079 | 12/12/2000 | Zuniga, et al. | 451 | 41 | 09/08/1998 |
| | A23 | 6,156,124 | 12/05/2000 | Tobin | 118 | 719 | 10/06/1999 |
| | A24 | 6,153,043 | 11/28/2000 | Edelstein, et al. | 156 | 345 | 02-06-1998 |
| | A25 | 6,116,998 | 09/12/2000 | Damgaard, et al. | 451 | 490 | 01/13/1998 |
| | A26 | 6,103,096 | 08/15/2000 | Datta, et al | 205 | 686 | 11/12/1997 |
| NSB | A27 | 6,090,239 | 07/18/2000 | Liu, et al | 156 | 345 | 08/02/1999 |

Foreign Patent Documents

| *Examiner Initial | | Document Number | Date | Country | Class | Subclass | Translation | |
|-------------------|----------------|------------------------|-----------------------|-----------------|-----------------|-------------------|-------------|--------------|
| | | | | | | | YES | NO |
| e | B7 | WO 01/49452 | 07-12-2001 | WIPO | B24B | 37/04 | | X |
| e | B8 | WO 00/59682 | 10-12-2000 | WIPO | B24B | 37/04 | | X |
| e | B9 | WO 00/33356 | 06-08-2000 | WIPO | H01L | --- | | X |
| e | B10 | WO 00/26443 | 05-11-2000 | WIPO | G25D | --- | | X |
| e | B11 | WO 00/03426 | 01-20-2000 | WIPO | H01L | 21/321 | | X |

OTHER ART

| | | |
|-------------------|------------|---|
| *Examiner Initial | | Including Author, Title, Date, Pertinent Pages, Etc. |
| | C2 | U.S. Patent Application 10/151,538 filed on May 16, 2002. |
| Examiner | <i>NSB</i> | Date Considered 7-5-05 |

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| | | | |
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U.S. Patent Documents

| *Examiner Initial | | Document Number | Issue Date | Applicant(s) Name | Class | Subclass | Filing Date If Appropriate |
|-------------------|-----|-----------------|------------|-------------------|-------|----------|----------------------------|
| NSB | A28 | 6,066,030 | 05/23/2000 | Uzoh | 451 | 41 | 03/04/1999 |
| | A29 | 6,056,851 | 05/02/2000 | Hsieh, et al. | 156 | 345 | 08/14/1998 |
| | A30 | 6,024,630 | 02/15/2000 | Shendon, et al. | 451 | 41 | 06/09/1995 |
| | A31 | 6,020,264 | 02/01/2000 | Lustig, et al. | 438 | 692 | 01/31/1997 |
| | A32 | 6,017,265 | 01/25/2000 | Cook et al. | 451 | 41 | 01/13/1997 |
| | A33 | 6,004,880 | 12/21/1999 | Liu, et al | 438 | 692 | 02/20/1998 |
| | A34 | 6,001,008 | 12/14/1999 | Fujimori, et al. | 451 | 443 | 04/15/1999 |
| | A35 | 5,938,801 | 08/17/1999 | Robinson | 51 | 306 | 08/20/1998 |
| | A36 | 5,911,619 | 06/15/1999 | Uzoh, et al | 451 | 5 | 03/26/1997 |
| | A37 | 5,871,392 | 02/16/1999 | Meikle et al. | 451 | 56 | 06/13/1996 |
| | A38 | 5,846,882 | 12/08/1998 | Birang | 438 | 692 | 10/03/1996 |
| | A39 | 5,807,165 | 09/15/1998 | Uzoh, et al | 451 | 41 | 03/26/1997 |
| NSB | A40 | 5,804,507 | 09/08/1998 | Perlov, et al. | 438 | 692 | 10/27/1995 |

Foreign Patent Documents

| *Examiner Initial | | Document Number | Date | Country | Class | Subclass | Translation | |
|-------------------|-----|-----------------|------------|---------|-------|----------|-------------|----|
| | | | | | | | YES | NO |
| | B12 | WO 99/53119 | 10-21-1999 | WIPO | C23C | 18/18 | | X |
| | B13 | WO 99/41434 | 08-19-1999 | WIPO | C25D | 5/02 | | X |
| | B14 | WO 98/49723 | 11/05/1998 | WIPO | H01L | 21/321 | | X |

OTHER ART

| *Examiner Initial | | Including Author, Title, Date, Pertinent Pages, Etc. |
|-------------------|----|---|
| | C5 | International Search Report for PCT/US 02/11009 dated February 6, 2003. |
| | C6 | |
| | C7 | |
| | C8 | |

Examiner Ant B... Date Considered July 5, 2005

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

| | | | | | | | | |
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| Examiner UNKNOWN | | | | | Filing Date June 30, 2003 | | Group 1742 UNKNOWN | |

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| U.S. Patent Documents | | | | | | | |
|-----------------------|-----|-----------------|------------|-------------------|-------|----------|----------------------------|
| *Examiner Initial | | Document Number | Issue Date | Applicant(s) Name | Class | Subclass | Filing Date If Appropriate |
| NSB | A41 | 5,738,574 | 04/14/1998 | Tolles, et al. | 451 | 288 | 10/27/1995 |
| | A42 | 5,624,300 | 04/29/1997 | Kishii, et al. | 451 | 36 | 07/10/1996 |
| | A43 | 5,578,362 | 11/26/1996 | Reinhardt et al. | 428 | 147 | 07/12/1994 |
| | A44 | 5,575,706 | 11/19/1996 | Tsai, et al | 451 | 41 | 01/11/1996 |
| | A45 | 5,567,300 | 10/22/1996 | Datta, et al | 205 | 652 | 09/02/1994 |
| | A46 | 5,543,032 | 08/06/1996 | Datta, et al | 205 | 670 | 06/02/1995 |
| | A47 | 5,136,817 | 08/11/1992 | Tabata, et al. | 51 | 165.71 | 02/28/1991 |
| | A48 | 4,956,056 | 09/11/1990 | Zubatova, et al | 204 | 129.43 | 03/20/1989 |
| | A49 | 4,954,141 | 09/04/1990 | Takiyama et al. | 51 | 296 | 01/25/1989 |
| | A50 | 4,839,993 | 06/20/1989 | Masuko, et al. | 51 | 129 | 01/16/1987 |
| | A51 | 4,793,895 | 12/27/1988 | Kaanta, et al. | 156 | 627 | 01/25/1988 |
| | A52 | 4,125,444 | 11/14/1978 | Inoue | 204 | 129.43 | 12/13/1977 |
| | A53 | 3,873,512 | 03/25/1975 | Latanision | 204 | 129.46 | 04/30/1973 |
| | A54 | 3,162,588 | 12/22/1964 | Bell | 204 | 141 | 04/17/1961 |
| | A55 | 2003/0114087 | 06/19/2003 | Duboust, et al. | 451 | 41 | 06/04/2002 |
| | A56 | 2003/0116445 | 06/26/2003 | Sun, et al. | 205 | 674 | 05/07/2002 |
| | A57 | 2002/0130049 | 09/19/2002 | Chen, et al. | 205 | 640 | 01/03/2002 |
| | A58 | 2002/0119286 | 08/29/2002 | Chen, et al. | 428 | 131 | 12/27/2001 |
| NSB | A59 | 2003/0116446 | 06/26/2003 | Duboust, et al. | 205 | 682 | 12/21/2001 |

| Foreign Patent Documents | | | | | | | | |
|--------------------------|-----|-----------------|------------|---------|-------|----------|-------------|----|
| *Examiner Initial | | Document Number | Date | Country | Class | Subclass | Translation | |
| | | | | | | | YES | NO |
| | B15 | 0 455 455 | 04/29/1991 | EP | B23G | 15/007 | | X |

| OTHER ART | | |
|-------------------|----|--|
| *Examiner Initial | | Including Author, Title, Date, Pertinent Pages, Etc. |
| | C9 | |

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| Examiner <i>NSB</i> | Date Considered 75-05 |
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